

Notice of Allowability

Application No.

10/046,389

Examiner

J. Derek Rutten

Applicant(s)

BERGER ET AL.

Art Unit

2192

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 11/16/2006 Brief.
2. ☒ The allowed claim(s) is/are 1-5, 7-12, 14, and 21-28 (renumbered 1-20).
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

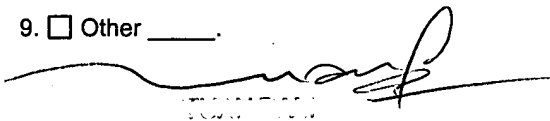
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


SUPERVISORY PATENT EXAMINER

DETAILED ACTION

Continued Examination

1. This action is in response to Applicant's Appeal Brief filed 11/16/2006, responding to the 6/7/06 Office action which detailed the rejection of claims 1-20.
2. Applicant's arguments, see pages 20-21, filed 11/16/2006, with respect to the rejection of claims 6, 7, 13, and 14 under 35 U.S.C. 103(a), have been fully considered and are persuasive. The rejections of claims 6, 7, 13 and 14 have been withdrawn and prosecution is reopened.

EXAMINER'S AMENDMENT

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Christopher Rourk, Reg. 39.348 on 2/9/2007. In the interest of compact prosecution, the examiner agreed to amend claims 1 and 8, to amend claims 7 and 14 to become independent claims and to add claims 21-28 and cancel claims 6, 13, and 15-20.

4. An additional fee under 37 CFR 1.16(h) is required in order to make an examiner's amendment which places this application in condition for allowance. In correspondence submitted to the examiner via fax on 2/9/07, Christopher Rourk, Reg. No. 39,348, authorized the Director to charge Deposit Account No. 10-0096 the required fee of \$200.00 for an additional

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independent claim and authorized the following examiner's amendment. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

5. The application has been amended as follows:

Please amend claims 1, 7, 8 and 14, add new claims 21-28, and cancel claims 6, 13, and 15-20 in accordance with the attached listing of claims.

Allowable Subject Matter

6. The following is an examiner's statement of reasons for allowance:

The examiner indicated that this application would be in condition for allowance if the independent claims 1, 8, and 15 were amended to include the features of claims 6 and 13, or 7 and 14. As pointed out by the applicant on pages 20 and 21, filed 11/16/2006, the above features, taken in combination with all remaining features of the independent claims are not taught or suggested by the prior art of record.

The applicant agreed to amend the independent claims 1 and 8 to include the features of claims 6 and 13, respectively, as indicated by the examiner. New independent claims 7 and 14 were amended to include the features of claims 1 and 8, respectively. All independent claims 1, 7, 8, and 14, and all depending claims 2-5, 9-12, and 21-28 are allowable.

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Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to J. Derek Rutten whose telephone number is (571)272-3703. The examiner can normally be reached on M-F 7:00-3:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Q. Dam can be reached on (571)272-3695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

jdr


TUAN DAM
SUPERVISORY PATENT EXAMINER

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Claims:

1. (Currently Amended) A system for generating user interface code comprising:

a user interface class system generating user interface class code, wherein the user interface class code includes two or more user interface features that can be selected and assembled into a user interface by a user; and

a handler class system generating handler class code, wherein the handler class code includes one or more states for each user interface feature of the user interface class;

wherein the user interface class and the handler class cause the selected user interface features and associated states for the user interface features to be automatically generated when the user interface code is executed, and

wherein the user interface class includes an accounts payable user interface class, an accounts receivable user interface class, a general ledger user interface class, a global user interface class, an inventory control user interface class, an order common user interface class, a purchase order user interface class, a report user interface class, a shipping order user interface class, a utility user interface class, a report user interface class, a test user interface class, and a template user interface class.

2. (Previously Presented) The system of claim 1 wherein the user interface class system further comprises a developer user interface class system automatically generating a developer user interface class that operates in conjunction with the user interface code to provide modified user interface features.

3. (Previously Presented) The system of claim 1 further comprising a developer handler class system generating a developer handler class that operates in conjunction with the user interface code to automatically provide modified user interface states.

4. (Original) The system of claim 2 wherein the user interface class system further comprises a site-specific user interface class system generating a site-specific user

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interface class that operates in conjunction with the user interface code and the developer user interface class to provide site-specific user interface features.

5. (Original) The system of claim 3 wherein the developer handler class system further comprises a site-specific handler class system generating a site-specific handler class that operates in conjunction with the user interface code and the developer handler class to provide site-specific user interface states.

Claim 6 (Cancelled)

7. (Currently Amended) ~~The system of claim 1~~ A system for generating user interface code comprising:

a user interface class system generating user interface class code, wherein the user interface class code includes two or more user interface features that can be selected and assembled into a user interface by a user; and

a handler class system generating handler class code, wherein the handler class code includes one or more states for each user interface feature of the user interface class;

wherein the user interface class and the handler class cause the selected user interface features and associated states for the user interface features to be automatically generated when the user interface code is executed, and

wherein the handler class includes an accounts payable handler class, an accounts receivable handler class, a general ledger handler class, a global handler class, an inventory control handler class, an order common handler class, a purchase order handler class, a report handler class, a shipping order handler class, a utility handler class, a report handler class, a test handler class, and a template handler class.

8. (Currently Amended) A method for generating user interface code comprising:

receiving a selection of user interface feature for a user interface class;

automatically retrieving a handler associated with the user interface feature that includes one or more states; [and]

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automatically generating one or more code elements that cause a user display to be generated when executed that includes the user interface feature having the one or more states;
and

wherein receiving a selection of the user interface feature from the user interface class includes receiving a selection from an account payable user interface class, an accounts receivable user interface class, a general ledger user interface class, a global user interface class, an inventory control user interface class, an order common user interface class, a purchase order user interface class, a report user interface class, a shipping order user interface class, a utility user interface class, a report user interface class, a test user interface class, and a template user interface class.

9. (Previously Presented) The method of claim 8 further comprising:
receiving a selection of a developer user interface feature from a developer user interface class; and

automatically generating one or more code elements that cause the user display to be generated that includes the developer user interface feature.

10. (Previously Presented) The method of claim 8 further comprising:
receiving a selection of a developer user interface state from a developer handler class;
and

automatically generating one or more code elements that cause the user display to be generated that includes the developer user interface state.

11. (Previously Presented) The method of claim 9 further comprising:
receiving a selection of a site-specific user interface feature from a site-specific user interface class; and

automatically generating one or more code elements that cause the user display to be generated that includes the site-specific user interface feature.

12. (Previously Presented) The method of claim 8 further comprising:

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receiving a selection of site-specific user interface state from a site-specific handler class;
and

automatically generating one or more code elements that cause the user display to be generated that includes the site-specific user interface state.

Claim 13 (Cancelled).

14. (Currently Amended) ~~The method of claim 8~~ A method for generating user interface code comprising:

receiving a selection of user interface feature for a user interface class;

automatically retrieving a handler associated with the user interface feature that includes one or more states;

automatically generating one or more code elements that cause a user display to be generated when executed that includes the user interface feature having the one or more states; and

wherein retrieving the handler associated with the user interface feature that includes one or more states includes retrieving an accounts payable handler class, an accounts receivable handler class, a general ledger handler class, a global handler class, an inventory control handler class, an order common handler class, a purchase order handler class, a report handler class, a shipping order handler class, a utility handler class, a report handler class, a test handler class, and a template handler class.

Claims 15-20 (Cancelled).

21. (New) The system of claim 7 wherein the user interface class system further comprises a developer user interface class system automatically generating a developer user interface class that operates in conjunction with the user interface code to provide modified user interface features.

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22. (New) The system of claim 7 further comprising a developer handler class system generating a developer handler class that operates in conjunction with the user interface code to automatically provide modified user interface states.

23. (New) The system of claim 21 wherein the user interface class system further comprises a site-specific user interface class system generating a site-specific user interface class that operates in conjunction with the user interface code and the developer user interface class to provide site-specific user interface features.

24. (New) The system of claim 22 wherein the developer handler class system further comprises a site-specific handler class system generating a site-specific handler class that operates in conjunction with the user interface code and the developer handler class to provide site-specific user interface states.

25. (New) The method of claim 14 further comprising:
receiving a selection of a developer user interface feature from a developer user interface class; and
automatically generating one or more code elements that cause the user display to be generated that includes the developer user interface feature.

26. (New) The method of claim 14 further comprising:
receiving a selection of a developer user interface state from a developer handler class;
and
automatically generating one or more code elements that cause the user display to be generated that includes the developer user interface state.

27. (New) The method of claim 25 further comprising:
receiving a selection of a site-specific user interface feature from a site-specific user interface class; and
automatically generating one or more code elements that cause the user display to be generated that includes the site-specific user interface feature.

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28. (New) The method of claim 14 further comprising:
receiving a selection of site-specific user interface state from a site-specific handler class;
and
automatically generating one or more code elements that cause the user display to be
generated that includes the site-specific user interface state.